

## Introduction – Quick Couplings

### Simply the best choice!

*Whenever tools or pneumatic equipment need to be changed, or you need to make quick connections of hoses to an air outlet, Atlas Copco couplings are simply the best choice.*

#### **ENERGY EFFICIENCY**

All Atlas Copco couplings are designed for a minimum pressure drop to reduce energy consumption.

#### **PRODUCTIVITY**

Exceptionally high air flow will guarantee full power in the tools.

#### **QUALITY**

The bodies of the couplings are made of hardened steel with a no-leakage design for long service life and heavy duty applications.

#### **ERGONOMICS**

Compact dimensions and low weight.

#### **SAFETY**

ErgoQIC's are vented safety versions to minimize the risk of sudden component separation and sound bang. The safety features are according to EN 983 and ISO 4414.



## Selection Guide

Atlas Copco offers a broad range of couplings. ErgoQIC 08, ErgoQIC 10, ErgoQIC 08US, ErgoQIC 10US, ErgoQIC 15US, QIC 10US, QIC 15US and CLAW. The ErgoQIC system is a ball valve coupling with a safety feature offering a higher flow than ordinary coupling systems. The Claw coupling is a large bore claw coupling system offering a very high air flow.

For assembly tools, riveting hammers and drills it is recommended that a smaller sized coupling such as ErgoQIC 08 / US is used, but for assembly tools and drills with higher air consumption than 20 l/s it is recommended that ErgoQIC 10,

#### Standard / Quick coupling / Flow capacity

Atlas Copco standard	ErgoQIC 08	62 cfm
ISO 6150 B / US standard	ErgoQIC 08US	34 cfm
Atlas Copco standard	ErgoQIC 10	129 cfm
ISO 6150 B / US standard	ErgoQIC 10US	89 cfm
ISO 6150 B / US standard	ErgoQIC 15US	161 cfm
ISO 6150 B / US standard	QIC 10US	40 cfm
ISO 6150 B / US standard	QIC 15US	85 cfm

ErgoQIC 10US or ErgoQIC 15US are used. For grinders and percussive tools it is recommended that the bigger sized couplings ErgoQIC 10, ErgoQIC 10US

or ErgoQIC 15US and Claw are used. For smaller grinders with air consumption below 10 l/s ErgoQIC 08 /US can be used.

# Quick Couplings

# ErgoQIC 08 and ErgoNIP 08

## Atlas Copco Global standard

### ERGOQIC 08

The ErgoQIC 08 is a full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08 will give the benefits of productivity and energy efficiency.

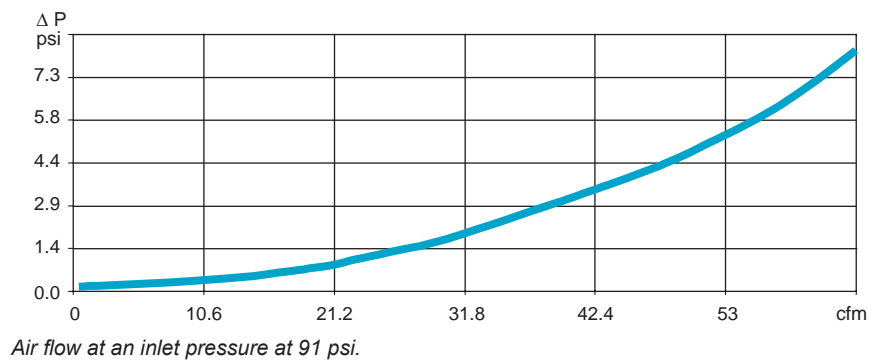
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.



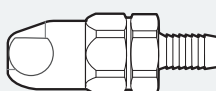
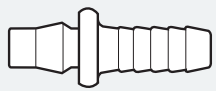
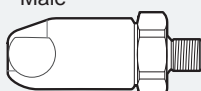
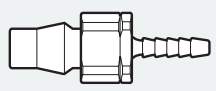
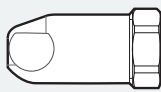
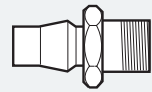

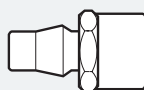
## Technical Data

Max flow capacity 62 cfm (7.3 psi ΔP)  
 Economical air flow 38 cfm (2.9 psi ΔP)  
 Max working pressure 230 psi  
 Temperature range 14°F to +158°F

FLOW CHART. ERGOQIC 08 M15U AND ERGONIP 08 M10U



### ERGOQIC 08 AND ERGONIP 08, 38 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size		Connection type	Nipple ErgoNIP 08	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1110 04	6.3	1/4	<b>H – Hose</b> 	H06	8202 1210 37	6.3	1/4
	H08	8202 1110 12	8	5/16		H08	8202 1210 45	8	5/16
	H10	8202 1110 38	10	3/8		H10	8202 1210 52	10	3/8
<b>M – Male</b> 	M08U	8202 1115 09	1/4 NPT		<b>SH – Safety Hose<sup>a</sup></b> 	SH06	8202 1210 39	6.3	1/4
	M10U	8202 1115 17	3/8 NPT			SH08	8202 1210 47	8	5/16
	M15U	8202 1115 25	1/2 NPT			SH10	8202 1210 50	10	3/8
<b>F – Female</b> 	F08U	8202 1115 30	1/4 NPT		<b>M – Male</b> 	M06U	8202 1215 08	1/8 NPT	
	F10U	8202 1115 35	3/8 NPT			M08U	8202 1215 16	1/4 NPT	
						M10U	8202 1215 24	3/8 NPT	
<b>Protective cover</b> 		9090 1940 00			<b>F – Female</b> 	F10U	8202 1215 35	3/8 NPT	

<sup>a</sup> For joining hoses longer than 3 meters.

# ErgoQIC 08US and NIP 08

# Quick Couplings

## ISO 6150-B / US standard

### ERGOQIC 08US

The ErgoQIC 08US is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08US will give the benefit of productivity and energy efficiency.

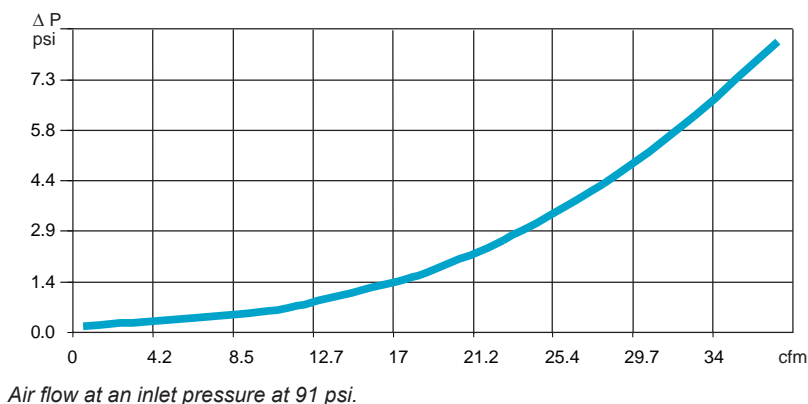
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.



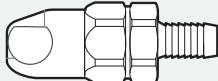
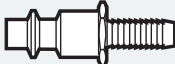
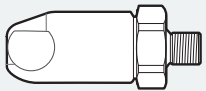
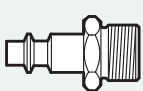

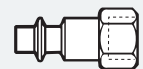
## Technical Data

Max flow capacity 34 cfm (7.3 psi ΔP)  
 Economical air flow 23 cfm (2.9 psi ΔP)  
 Max working pressure 230 psi  
 Temperature range 14°F to 158°F

FLOW CHART. ERGOQIC 08US AND NIP 08



### ERGOQIC 08US AND NIP 08, 23 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 08US		Size		Connection type	Nipple NIP 08		Size	
		Ordering No.	mm	in			Ordering No.	mm	in
<b>H – Hose</b> 	H06	8202 1103 00	6.3	1/4	<b>H – Hose</b> 	H06	8202 1205 18	6.3	1/4
	H08	8202 1103 01	8.0	5/16		H08	8202 1205 26	8.0	5/16
	H10	8202 1103 02	10.0	3/8		H10	8202 1205 34	10.0	3/8
						H13	8202 1208 03	12.5	1/2
<b>M – Male</b> 	M08U	8202 1103 04	1/4 NPT		<b>M – Male</b> 	M06U	8202 1208 07	1/8 NPT	
	M10U	8202 1103 06	3/8 NPT			M08U	8202 1208 08	1/4 NPT	
	M15U	8202 1103 08	1/2 NPT			M10U	8202 1208 09	3/8 NPT	
<b>F – Female</b> 	F08U	8202 1103 10	1/4 NPT		<b>F – Female</b> 	F08U	8202 1208 14	1/4 NPT	
	F10U	8202 1103 12	3/8 NPT			F10U	8202 1208 15	3/8 NPT	

# Quick Couplings

# ErgoQIC 10 and ErgoNIP 10

## Atlas Copco Global standard

### ERGOQIC 10

The ErgoQIC 10 is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 will give the benefits of productivity and energy efficiency.

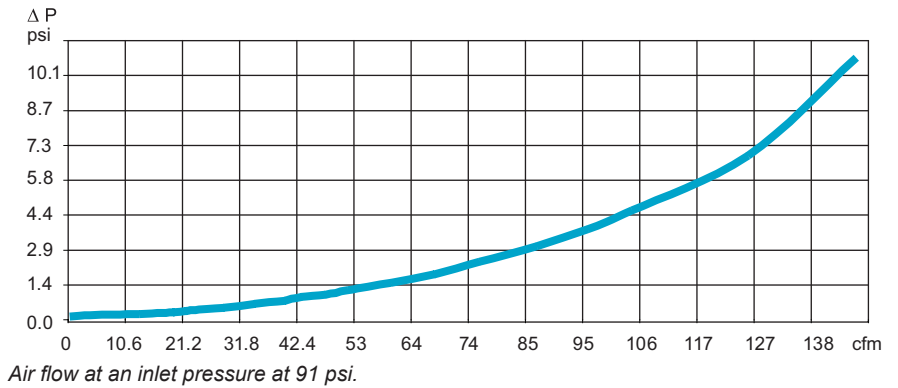
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.



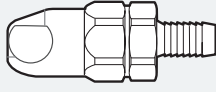

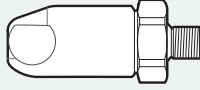
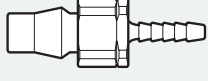

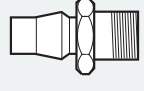

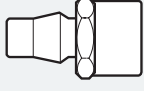
## Technical Data

Max flow capacity 129 cfm (7.3 psi  $\Delta P$ )  
 Economical air flow 85 cfm (2.9 psi  $\Delta P$ )  
 Max working pressure 230 psi  
 Temperature range 14°F to +158°F

FLOW CHART. ERGOQIC 10 M15U AND ERGONIP 10 M15U



### ERGOQIC 10 AND ERGONIP 10, 85 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 10	Ordering No.	Size		Connection type	Nipple ErgoNIP 10	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	8202 1120 30	6.3	1/4	 H – Hose	H06	8202 1220 35	6.3	1/4
	H08	8202 1120 40	8	5/16		H08	8202 1220 43	8	5/16
	H10	8202 1120 02	10	3/8		H10	8202 1220 50	10	3/8
	H13	8202 1120 10	12.5	1/2		H13	8202 1220 68	12.5	1/2
	H16	8202 1120 50	16	5/8		H16	8202 1220 76	16	5/8
	H20	8202 1120 60	19	3/4		H20	8202 1220 77	19	3/4
 M – Male	M08U	8202 1125 07	1/4 NPT		 SH – Safety Hose <sup>a</sup>	SH06	8202 1220 37	6.3	1/4
	M10U	8202 1125 15	3/8 NPT			SH08	8202 1220 45	8	5/16
	M15U	8202 1125 23	1/2 NPT			SH10	8220 1220 52	10	3/8
						SH13	8202 1220 70	12.5	1/2
 F – Female	F08U	8202 1125 30	1/4 NPT		 M – Male	M08U	8202 1225 06	1/4 NPT	
	F10U	8202 1125 35	3/8 NPT			M10U	8202 1225 14	3/8 NPT	
						M15U	8202 1225 22	1/2 NPT	
 Protective cover		9090 1931 00			 F – Female	F08U	8202 1225 30	1/4 NPT	
						F10U	8202 1225 32	3/8 NPT	
						F15U	8202 1225 34	1/2 NPT	

<sup>a</sup> For joining hoses longer than 3 meters.

# ErgoQIC 10US and NIP 10US

# Quick Couplings

## ISO 6150-B / US standard

### ERGOQIC 10US

The ErgoQIC 10US is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10US couplings will give the benefit of productivity and energy efficiency.

- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.



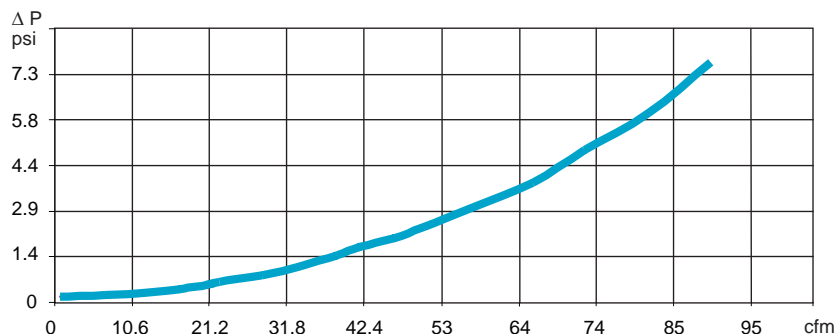
Nipple profile



## Technical Data

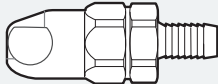

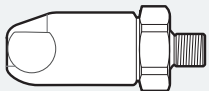
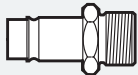
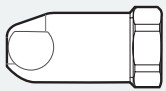
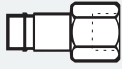
Max flow capacity 89 cfm (7.3 psi ΔP)  
 Economical air flow 57 cfm (2.9 psi ΔP)  
 Max working pressure 230 psi  
 Temperature range 14°F to 158°F

### FLOW CHART. ERGOQIC 10US AND NIP 10US



Air flow at an inlet pressure at 91 psi.

### ERGOQIC 10US AND NIP 10US, 57 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 10US		Size		Connection type	Nipple NIP 10US		Size	
		Ordering No.	mm	in			Ordering No.	mm	in
<b>H – Hose</b> 	H08	8202 1107 01	8.0	5/16	<b>H – Hose</b> 	H08	8202 1210 70	8.0	5/16
	H10	8202 1107 02	10.0	3/8		H10	8202 1210 71	10.0	3/8
	H13	8202 1107 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
	H16	8202 1107 04	16.0	5/8		H13	8202 1210 73	16.0	5/8
	H20	8202 1107 05	19.0	3/4		H20	8202 1210 74	19.0	3/4
<b>M – Male</b> 	M08U	8202 1107 06	1/4	NPT	<b>M – Male</b> 	M08U	8202 1210 78	1/4	NPT
	M10U	8202 1107 08	3/8	NPT		M10U	8202 1210 79	3/8	NPT
	M15U	8202 1107 10	1/2	NPT		M15U	8202 1210 80	1/2	NPT
<b>F – Female</b> 	F08U	8202 1107 12	1/4	NPT	<b>F – Female</b> 	F08U	8202 1210 84	1/4	NPT
	F10U	8202 1107 14	3/8	NPT		F10U	8202 1210 85	3/8	NPT
	F15U	8202 1107 16	1/2	NPT		F15U	8202 1210 86	1/2	NPT

# Quick Couplings

# QIC 10US

## ISO 6150-B / US standard

### QIC 10US

The QIC 10US quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

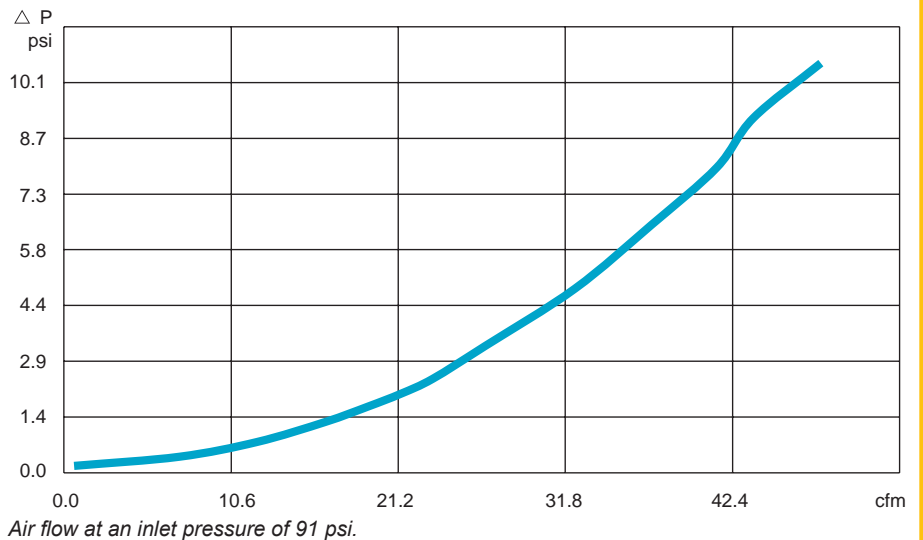
- High flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.






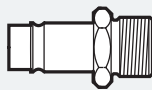


## Technical Data

Max flow capacity 40 cfm (7.3 psi ΔP)  
 Economical air flow 25 cfm (2.9 psi ΔP)  
 Max working pressure 145 psi  
 Temperature range -4°F to 176°F

FLOW CHART. QIC 10US AND NIP 10US



QIC 10US AND NIP 10US, 25 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling QIC 10US	Ordering No.	Size		Connection type	Nipple NIP 10US	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H08	8202 1307 01	8	5/16	H – Hose 	H08	8202 1210 70	8	5/16
	H10	8202 1307 02	10	3/8		H10	8202 1210 71	10	3/8
	H13	8202 1307 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
						H16	8202 1210 73	16	5/8
				H20		8202 1210 74	19	3/4	
M – Male 	M08U	8202 1307 04	1/4 NPT		M – Male 	M08U	8202 1210 78	1/4 NPT	
	M10U	8202 1307 05	3/8 NPT			M10U	8202 1210 79	3/8 NPT	
	M15U	8202 1307 06	1/2 NPT			M15U	8202 1210 80	1/2 NPT	
F – Female 	F08U	8202 1307 07	1/4 NPT		F – Female 	F08U	8202 1210 84	1/4 NPT	
	F10U	8202 1307 08	3/8 NPT			F10U	8202 1210 85	3/8 NPT	
	F15U	8202 1307 09	1/2 NPT			F15U	8202 1210 86	1/2 NPT	

# ErgoQIC 15US and NIP 15US

# Quick Couplings

## ISO 6150-B / US standard

### ERGOQIC 15US

The ErgoQIC 15US is a full flow coupling with no air restriction inside the coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15US will give the benefit of productivity and energy efficiency.

- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.



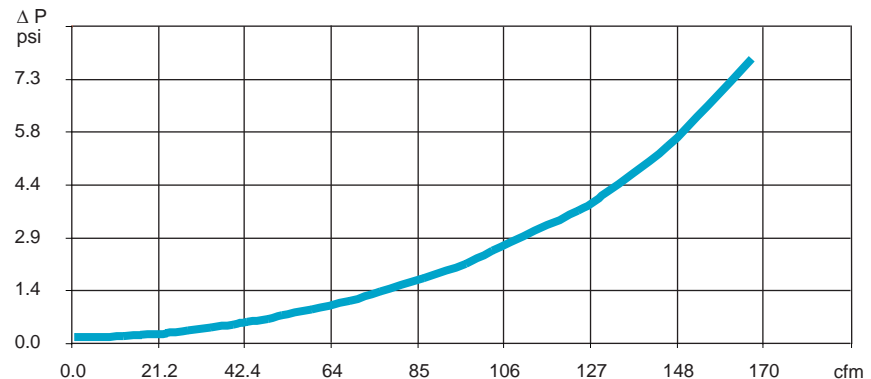
Nipple profile



## Technical Data

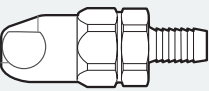

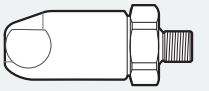
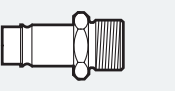
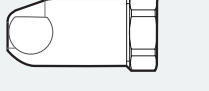
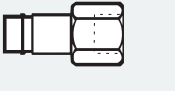
Max flow capacity 161 cfm (7.3 psi ΔP)  
 Economical air flow 110 cfm (2.9 psi ΔP)  
 Max working pressure 230 psi  
 Temperature range 14°F to +158°F

### FLOW CHART. ERGOQIC 15US AND NIP 15US



Air flow at an inlet pressure at 91 psi.

### ERGOQIC 15 US AND NIP 15 US, 110 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 15US		Size		Connection type	Nipple NIP 15US		Size	
		Ordering No.	mm	in			Ordering No.	mm	in
<b>H – Hose</b> 	H10	8202 1108 02	10.0	3/8	<b>H – Hose</b> 	H10	8202 1215 40	10.0	3/8
	H13	8202 1108 03	12.5	1/2		H13	8202 1215 41	12.5	1/2
	H16	8202 1108 04	16.0	5/8		H16	8202 1215 42	16.0	5/8
	H20	8202 1108 05	19.0	3/4		H20	8202 1215 43	19.0	3/4
<b>M – Male</b> 	M10U	8202 1108 08	3/8	NPT	<b>M – Male</b> 	M10U	8202 1215 49	3/8	NPT
	M15U	8202 1108 10	1/2	NPT		M15U	8202 1215 50	1/2	NPT
						M20U	8202 1215 51	3/4	NPT
<b>F – Female</b> 	F10U	8202 1108 14	3/8	NPT	<b>F – Female</b> 	F10U	8202 1215 54	3/8	NPT
	F15U	8202 1108 16	1/2	NPT		F15U	8202 1215 55	1/2	NPT
						F20U	8202 1215 56	3/4	NPT

# Quick Couplings

# QIC 15US

## ISO 6150-B / US standard

### QIC 15US

The QIC 15US quick coupling is suitable for assembly tools, drills and grinders. The QIC 15US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

- Exceptional high flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.



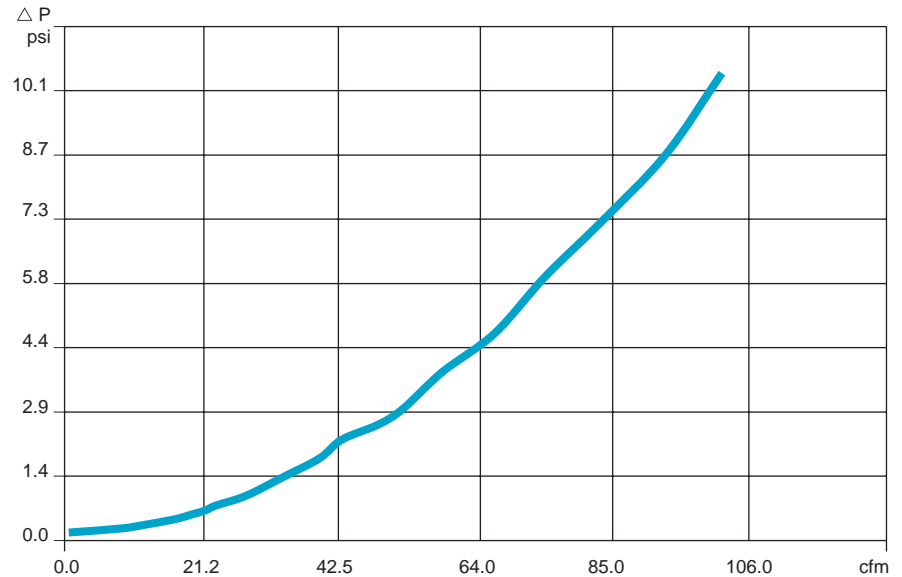
Nipple profile



## Technical Data

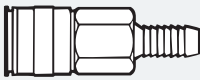

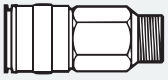
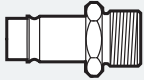
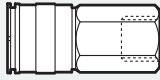
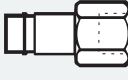
Max flow capacity 85 cfm (7.3 psi ΔP)  
 Economical air flow 47 cfm (2.9 psi ΔP)  
 Max working pressure 145 psi  
 Temperature range -4°F to +176°F

### FLOW CHART. QIC 15US AND NIP 15US



Air flow at an inlet pressure of 91 psi.

### QIC 15US AND NIP 15US, 47 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling QIC 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H13	8202 1308 02	12.5	1/2	<b>H – Hose</b> 	H10	8202 1215 40	10	3/8
	H16	8202 1308 20	16	5/8		H13	8202 1215 41	12.5	1/2
	H20	8202 1308 03	19	3/4		H16	8202 1215 42	16	5/8
						H20	8202 1215 43	19	3/4
<b>M – Male</b> 	M10U	8202 1308 04	3/8 NPT		<b>M – Male</b> 	M10U	8202 1215 49	3/8 NPT	
	M15U	8202 1308 05	1/2 NPT			M15U	8202 1215 50	1/2 NPT	
	M20U	8202 1308 06	3/4 NPT			M20U	8202 1215 51	3/4 NPT	
<b>F – Female</b> 	F10U	8202 1308 07	3/8 NPT		<b>F – Female</b> 	F10U	8202 1215 54	3/8 NPT	
	F15U	8202 1308 08	1/2 NPT			F15U	8202 1215 55	1/2 NPT	
	F20U	8202 1308 09	3/4 NPT			F20U	8202 1215 56	3/4 NPT	